Titanvene™ HD6070EA

High Density Polyethylene

PT. TITAN Petrokimia Nusantara

Message:

Titanvene™ HD6070EA is a high density polyethylene copolymer with a narrow molecular weight distribution. It is suitable for a wide range of injection moulding applications. Titanvene™ HD6070EA is characterised by easy processing, high rigidity, good impact resistance and high warpage resistance.
Applications
Titanvene™ HD6070EA is designed for:
Bottle crates.
Pails and containers.
Pallets and structural foam.
Tube shoulder.
Caps for still drinking water.
Caps for non-carbonated beverages.
Recommended Processing Conditions
Titanvene™ HD6070EA can be easily processed on normal polyethylene injection moulding machines at temperatures in the range of 200°C to 240°C.
Food Contact Compliance
Titanvene™ HD6070EA can be used in food contact applications. Please contact your nearest PT. TITAN Petrokimia Nusantara representative for more detail of food contact compliance statements for the specific grade.

General Information	
Features	Copolymer Food Contact Acceptable Good Impact Resistance Good Processability High Rigidity Narrow Molecular Weight Distribution Warp Resistant
Uses	Caps Containers Crates Pails Pallets Structural Foam
RoHS Compliance	RoHS Compliant
Forms	Pellets
Processing Method	Injection Molding

Physical	Nominal Value	Unit	Test Method
Density	0.958	g/cm³	ISO 1183/D
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	7.5	g/10 min	ISO 1133
Environmental Stress-Cracking Resistance (10% Igepal CO-630, F50)	7.00	hr	ASTM D1693B

Mechanical	Nominal Value	Unit	Test Method
Tensile Stress [1] (Yield)	27.0	MPa	ISO 527-2/2
Tensile Strain [2] (Break)	1500	%	ISO 527-2/2
Flexural Modulus	1500	MPa	ISO 178
Impact	**Nominal Value**	**Unit**	**Test Method**
Charpy Notched Impact Strength	6.0	kJ/m^2	ISO 179/1A
Thermal	**Nominal Value**	**Unit**	**Test Method**
Vicat Softening Temperature	127	°C	ISO 306
Melting Temperature (DSC) [3]	132	°C	ISO 3146
Injection	**Nominal Value**	**Unit**	
Processing (Melt) Temp	200 to 240	°C	
NOTE			
1.	Speed C		
2.	Speed C		
3.	Method C		

Recommended distributors for this material

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